BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. R. Ranganath

Item No.	1								
Item Name:	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. – do – in ordinary soil. No. KBS 2.1(a) / 2.3.5								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On: 30-3-2019									
For UGD Line									
NMIG-14th Block									
			1	30.00	0.90	0.90	0.90	24.30	
			1	3.20	0.90	0.90	0.90	2.59	
			1	6.00	0.90	0.90	0.90	4.86	
			1	9.50	0.90	0.90	0.90	7.70	
			1	12.00	0.90	0.90	0.90	9.72	
NMIG-15th Block									
			1	27.30	0.90	0.90	0.90	22.11	
			1	13.00	0.90	0.90	0.90	10.53	
			1	13.40	0.90	0.90	0.90	10.85	
			1	14.00	0.90	0.90	0.90	11.34	
			1	15.00	0.90	0.90	0.90	12.15	
NLIG-3rd Block									
			1	11.70	0.90	0.90	0.90	9.48	
			1	10.00	0.90	0.90	0.90	8.10	
			1	7.30	0.90	0.90	0.90	5.91	
			1	3.00	0.90	0.90	0.90	2.43	
			1	12.30	0.90	0.90	0.90	9.96	
			1	12.30	0.90	0.90	0.90	9.96	
			1	4.50	0.90	0.90	0.90	3.65	
			1	21.40	0.90	0.90	0.90	17.33	
			1	5.00	0.90	0.90	0.90	4.05	
			1	11.50	0.90	0.90	0.90	9.32	
			1	3.00	0.90	0.90	0.90	2.43	
			1	3.00	0.90	0.90	0.90	2.43	
			1	3.00	0.90	0.90	0.90	2.43	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	27.10	0.90	0.90	0.90	21.95	
			1	6.00	0.90	0.90	0.90	4.86	
NLIG-5th Block									
			1	8.80	0.90	0.90	0.90	7.13	
			1	12.00	0.90	0.90	0.90	9.72	
			1	3.00	0.90	0.90	0.90	2.43	
			1	3.00	0.90	0.90	0.90	2.43	
			1	3.00	0.90	0.90	0.90	2.43	
			1	3.00	0.90	0.90	0.90	2.43	
			1	5.00	0.90	0.90	0.90	4.05	
			1	5.00	0.90	0.90	0.90	4.05	
NLIG-11th Block									
			1	13.00	0.90	0.90	0.90	10.53	
			1	13.60	0.90	0.90	0.90	11.02	
			1	3.50	0.90	0.90	0.90	2.84	
			1	2.00	0.90	0.90	0.90	1.62	
			1	30.00	0.90	0.90	0.90	24.30	
			1	17.50	0.90	0.90	0.90	14.18	
			1	25.30	0.90	0.90	0.90	20.49	
NLIG-14th Block									
			1	19.80	0.90	0.90	0.90	16.04	
			1	30.00	0.90	0.90	0.90	24.30	
			1	5.00	0.90	0.90	0.90	4.05	
			1	6.00	0.90	0.90	0.90	4.86	
			1	6.00	0.90	0.90	0.90	4.86	
			1	25.70	0.90	0.90	0.90	20.82	
			1	6.00	0.90	0.90	0.90	4.86	
NLIG-19th Block									
			1	8.00	0.90	0.90	0.90	6.48	
			1	17.60	0.90	0.90	0.90	14.26	
			1	4.00	0.90	0.90	0.90	3.24	
			1	18.00	0.90	0.90	0.90	14.58	
NLIG-5th Block									
			1	13.50	0.90	0.90	0.90	10.94	
			1	12.40	0.90	0.90	0.90	10.04	
			1	15.80	0.90	0.90	0.90	12.80	
			1	15.00	0.90	0.90	0.90	12.15	
NMIG-B Block									
			1	30.00	0.90	0.90	0.90	24.30	
			1	28.00	0.90	0.90	0.90	22.68	
NLIG-18th Block									
			1	30.00	0.90	0.90	0.90	24.30	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	5.00	0.90	0.90	0.90	4.05	
			1	15.00	0.90	0.90	0.90	12.15	
NHIG-D2									
			1	19.00	0.90	0.90	0.90	15.39	
			1	21.00	0.90	0.90	0.90	17.01	
			1	24.00	0.90	0.90	0.90	19.44	
N-LIG 20th Block									
			1	30.00	0.90	0.90	0.90	24.30	
			1	30.00	0.90	0.90	0.90	24.30	
			1	2.00	0.90	0.90	0.90	1.62	
	Total Quantity							703.89	Cum
	Quantity Carried to Summary							703.89	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. R. Ranganath

Item No.	2								
Item Name:	KSRB 2-2.3 : Excavation by manual means for foundation of buildings, water supply & sanitary lines and electrical conduits etc., either in pits or in trenches 1.50m and above in width, in soft rock / ordinary rock not exceeding 1.50mtrs in depth including stacking the excavated stuff clear from edges of excavation with lead upto 50mt including cost of explosives, labour, HOM complete as per specifications. specification. No. KBS 2.1C/2.9.4/2.18/2.19								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				9-4-2019					
For UGD Line									
NMIG-14th Block									
			1	30.00	0.60	0.60	0.70	12.60	
			1	3.20	0.60	0.60	0.75	1.44	
			1	6.00	0.60	0.60	0.80	2.88	
			1	9.50	0.60	0.60	0.90	5.13	
			1	12.00	0.60	0.60	0.90	6.48	
NMIG-15th Block									
			1	27.30	0.60	0.60	0.70	11.47	
			1	13.00	0.60	0.60	0.70	5.46	
			1	13.40	0.60	0.60	0.75	6.03	
			1	14.00	0.60	0.60	0.80	6.72	
			1	15.00	0.60	0.60	0.90	8.10	
NLIG-3rd Block									
			1	11.70	0.60	0.60	0.70	4.91	
			1	10.00	0.60	0.60	0.70	4.20	
			1	7.30	0.60	0.60	0.75	3.29	
			1	3.00	0.60	0.60	0.75	1.35	
			1	12.30	0.60	0.60	0.75	5.54	
			1	12.30	0.60	0.60	0.75	5.54	
			1	4.50	0.60	0.60	0.80	2.16	
			1	21.40	0.60	0.60	0.80	10.27	
			1	5.00	0.60	0.60	0.80	2.40	
			1	11.50	0.60	0.60	0.90	6.21	
			1	3.00	0.60	0.60	0.90	1.62	
			1	3.00	0.60	0.60	0.90	1.62	

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.00	0.60	0.60	0.90	1.62	
			1	27.10	0.60	0.60	0.90	14.63	
			1	6.00	0.60	0.60	0.90	3.24	
NLIG-5th Block									
			1	8.80	0.60	0.60	0.75	3.96	
			1	12.00	0.60	0.60	0.75	5.40	
			1	3.00	0.60	0.60	0.75	1.35	
			1	3.00	0.60	0.60	0.80	1.44	
			1	3.00	0.60	0.60	0.80	1.44	
			1	3.00	0.60	0.60	0.85	1.53	
			1	5.00	0.60	0.60	0.90	2.70	
			1	5.00	0.60	0.60	0.90	2.70	
NLIG-11th Block									
			1	13.00	0.60	0.60	0.75	5.85	
			1	13.60	0.60	0.60	0.75	6.12	
			1	3.50	0.60	0.60	0.80	1.68	
			1	2.00	0.60	0.60	0.85	1.02	
			1	30.00	0.60	0.60	0.85	15.30	
			1	17.50	0.60	0.60	0.90	9.45	
			1	25.30	0.60	0.60	0.90	13.66	
NLIG-14th Block									
			1	19.80	0.60	0.60	0.75	8.91	
			1	30.00	0.60	0.60	0.75	13.50	
			1	5.00	0.60	0.60	0.80	2.40	
			1	6.00	0.60	0.60	0.80	2.88	
			1	6.00	0.60	0.60	0.85	3.06	
			1	25.70	0.60	0.60	0.90	13.88	
			1	6.00	0.60	0.60	0.90	3.24	
NLIG-19th Block									
			1	8.00	0.60	0.60	0.75	3.60	
			1	17.60	0.60	0.60	0.80	8.45	
			1	4.00	0.60	0.60	0.90	2.16	
			1	18.00	0.60	0.60	0.90	9.72	
NLIG-5th Block									
			1	13.50	0.60	0.60	0.75	6.08	
			1	12.40	0.60	0.60	0.75	5.58	
			1	15.80	0.60	0.60	0.85	8.06	
			1	15.00	0.60	0.60	0.90	8.10	
NMIG-B Block									
			1	30.00	0.60	0.60	0.80	14.40	
			1	28.00	0.60	0.60	0.80	13.44	
NLIG-18th Block									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	30.00	0.60	0.60	0.75	13.50	
			1	5.00	0.60	0.60	0.75	2.25	
			1	15.00	0.60	0.60	0.85	7.65	
	NHIG-D2								
			1	19.00	0.60	0.60	0.75	8.55	
			1	21.00	0.60	0.60	0.80	10.08	
			1	24.00	0.60	0.60	0.85	12.24	
	N-LIG 20th Block								
			1	30.00	0.60	0.60	0.75	13.50	
			1	30.00	0.60	0.60	0.75	13.50	
			1	2.00	0.60	0.60	0.75	0.90	
	Total Quantity							418.12	Cum
	Quanity Limit to							417.60	Cum
	Quantity Carried to Summary							417.60	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

Name of Agency: Sri. R. Ranganath — 1st & Final Bill

Item No.	3								
Item Name:	KSRB 12-1 : Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 – do – 230mm								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			30-5-2019					
For UGD Line								
			NMIG-14th Block					
		1	30.00				30.00	
		1	3.20				3.20	
		1	6.00				6.00	
		1	9.50				9.50	
		1	12.00				12.00	
			NMIG-15th Block					
		1	27.30				27.30	
		1	13.00				13.00	
		1	13.40				13.40	
		1	14.00				14.00	
		1	15.00				15.00	
			NLIG-3rd Block					NLI
		1	11.70				11.70	
		1	10.00				10.00	
		1	7.30				7.30	
		1	3.00				3.00	
		1	12.30				12.30	
		1	12.30				12.30	
		1	4.50				4.50	
		1	21.40				21.40	
		1	5.00				5.00	
		1	11.50				11.50	
		1	3.00				3.00	
		1	3.00				3.00	
		1	3.00				3.00	
		1	27.10				27.10	
		1	6.00				6.00	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NLIG-5th Block					
		1	8.80				8.80	
		1	12.00				12.00	
		1	3.00				3.00	
		1	3.00				3.00	
		1	3.00				3.00	
		1	3.00				3.00	
		1	5.00				5.00	
		1	5.00				5.00	
			NLIG-11th Block					
		1	13.00				13.00	
		1	13.60				13.60	
		1	3.50				3.50	
		1	2.00				2.00	
		1	30.00				30.00	
		1	17.50				17.50	
		1	25.30				25.30	
			NLIG-14th Block					
		1	19.80				19.80	
		1	30.00				30.00	
		1	5.00				5.00	
		1	6.00				6.00	
		1	6.00				6.00	
		1	25.70				25.70	
		1	6.00				6.00	
			NLIG-19th Block					
		1	8.00				8.00	
		1	17.60				17.60	
		1	4.00				4.00	
		1	18.00				18.00	
			NLIG-5th Block					
		1	13.50				13.50	
		1	12.40				12.40	
		1	15.80				15.80	
		1	15.00				15.00	
			NMIG-B Block					
		1	30.00				30.00	
		1	28.00				28.00	
			NLIG-18th Block					
		1	30.00				30.00	
		1	5.00				5.00	
		1	15.00				15.00	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NHIG-D2					
		1	19.00				19.00	
		1	21.00				21.00	
		1	24.00				24.00	
			N-LIG 20th Block					
		1	30.00				30.00	
		1	30.00				30.00	
		1	2.00				2.00	
	Total Quantity						869.00	Rmtr
	Quantity Carried to Summary						869.00	Rmtr

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

Name of Agency: Sri. R. Ranganath 1st & Final Bill

Item No.	4								
Item Name:	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:									
For UGD Line									
NMIG-14th Block									
			1	30.00	0.60	0.60	1.80	32.40	
			1	3.20	0.60	0.60	1.80	3.46	
			1	6.00	0.60	0.60	1.80	6.48	
			1	9.50	0.60	0.60	1.80	10.26	
			1	12.00	0.60	0.60	1.80	12.96	
NMIG-15th Block									
			1	27.30	0.60	0.60	1.80	29.48	
			1	13.00	0.60	0.60	1.80	14.04	
			1	13.40	0.60	0.60	1.80	14.47	
			1	14.00	0.60	0.60	1.80	15.12	
			1	15.00	0.60	0.60	1.80	16.20	
NLIG-3rd Block									
			1	11.70	0.60	0.60	1.80	12.64	
			1	10.00	0.60	0.60	1.80	10.80	
			1	7.30	0.60	0.60	1.80	7.88	
			1	3.00	0.60	0.60	1.80	3.24	
			1	12.30	0.60	0.60	1.80	13.28	
			1	12.30	0.60	0.60	1.80	13.28	
			1	4.50	0.60	0.60	1.80	4.86	
			1	21.40	0.60	0.60	1.80	23.11	
			1	5.00	0.60	0.60	1.80	5.40	
			1	11.50	0.60	0.60	1.80	12.42	
			1	3.00	0.60	0.60	1.80	3.24	
			1	3.00	0.60	0.60	1.80	3.24	
			1	3.00	0.60	0.60	1.80	3.24	
			1	27.10	0.60	0.60	1.80	29.27	
			1	6.00	0.60	0.60	1.80	6.48	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NLIG-5th Block					
		1	8.80	0.60	0.60	1.80	9.50	
		1	12.00	0.60	0.60	1.80	12.96	
		1	3.00	0.60	0.60	1.80	3.24	
		1	3.00	0.60	0.60	1.80	3.24	
		1	3.00	0.60	0.60	1.80	3.24	
		1	3.00	0.60	0.60	1.80	3.24	
		1	5.00	0.60	0.60	1.80	5.40	
		1	5.00	0.60	0.60	1.80	5.40	
			NLIG-11th Block					
		1	13.00	0.60	0.60	1.80	14.04	
		1	13.60	0.60	0.60	1.80	14.69	
		1	3.50	0.60	0.60	1.80	3.78	
		1	2.00	0.60	0.60	1.80	2.16	
		1	30.00	0.60	0.60	1.80	32.40	
		1	17.50	0.60	0.60	1.80	18.90	
		1	25.30	0.60	0.60	1.80	27.32	
			NLIG-14th Block					
		1	19.80	0.60	0.60	1.80	21.38	
		1	30.00	0.60	0.60	1.80	32.40	
		1	5.00	0.60	0.60	1.80	5.40	
		1	6.00	0.60	0.60	1.80	6.48	
		1	6.00	0.60	0.60	1.80	6.48	
		1	25.70	0.60	0.60	1.80	27.76	
		1	6.00	0.60	0.60	1.80	6.48	
			NLIG-19th Block					
		1	8.00	0.60	0.60	1.80	8.64	
		1	17.60	0.60	0.60	1.80	19.01	
		1	4.00	0.60	0.60	1.80	4.32	
		1	18.00	0.60	0.60	1.80	19.44	
			NLIG-5th Block					
		1	13.50	0.60	0.60	1.80	14.58	
		1	12.40	0.60	0.60	1.80	13.39	
		1	15.80	0.60	0.60	1.80	17.06	
		1	15.00	0.60	0.60	1.80	16.20	
			NMIG-B Block					
		1	30.00	0.60	0.60	1.80	32.40	
		1	28.00	0.60	0.60	1.80	30.24	
			NLIG-18th Block					
		1	30.00	0.60	0.60	1.80	32.40	
		1	5.00	0.60	0.60	1.80	5.40	
		1	15.00	0.60	0.60	1.80	16.20	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NHIG-D2					
		1	19.00	0.60	0.60	1.55	17.67	
		1	21.00	0.60	0.60	1.60	20.16	
		1	24.00	0.60	0.60	1.80	25.92	
			N-LIG 20th Block					
		1	30.00	0.60	0.60	1.80	32.40	
		1	30.00	0.60	0.60	1.80	32.40	
		1	2.00	0.60	0.60	1.80	2.16	
	Total Quantity						933.15	Cum
	Quantity Carried to Summary						933.15	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

Name of Agency: Sri. R. Ranganath — **1st & Final Bill**

Item No. 5

Item Name: KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:								
For UGD Line								
			NMIG-14th Block					
			1	30.00	0.60	0.60	0.30	5.40
			1	3.20	0.60	0.60	0.30	0.58
			1	6.00	0.60	0.60	0.30	1.08
			1	9.50	0.60	0.60	0.30	1.71
			1	12.00	0.60	0.60	0.30	2.16
			NMIG-15th Block					
			1	27.30	0.60	0.60	0.30	4.91
			1	13.00	0.60	0.60	0.30	2.34
			1	13.40	0.60	0.60	0.30	2.41
			1	14.00	0.60	0.60	0.30	2.52
			1	15.00	0.60	0.60	0.30	2.70
			NLIG-3rd Block					
			1	11.70	0.60	0.60	0.30	2.11
			1	10.00	0.60	0.60	0.30	1.80
			1	7.30	0.60	0.60	0.30	1.31
			1	3.00	0.60	0.60	0.30	0.54
			1	12.30	0.60	0.60	0.30	2.21
			1	12.30	0.60	0.60	0.30	2.21
			1	4.50	0.60	0.60	0.30	0.81
			1	21.40	0.60	0.60	0.30	3.85
			1	5.00	0.60	0.60	0.30	0.90
			1	11.50	0.60	0.60	0.30	2.07
			1	3.00	0.60	0.60	0.30	0.54
			1	3.00	0.60	0.60	0.30	0.54

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.00	0.60	0.60	0.30	0.54	
			1	27.10	0.60	0.60	0.30	4.88	
			1	6.00	0.60	0.60	0.30	1.08	
NLIG-5th Block									
			1	8.80	0.60	0.60	0.30	1.58	
			1	12.00	0.60	0.60	0.30	2.16	
			1	3.00	0.60	0.60	0.30	0.54	
			1	3.00	0.60	0.60	0.30	0.54	
			1	3.00	0.60	0.60	0.30	0.54	
			1	3.00	0.60	0.60	0.30	0.54	
			1	5.00	0.60	0.60	0.30	0.90	
			1	5.00	0.60	0.60	0.30	0.90	
NLIG-11th Block									
			1	13.00	0.60	0.60	0.30	2.34	
			1	13.60	0.60	0.60	0.30	2.45	
			1	3.50	0.60	0.60	0.30	0.63	
			1	2.00	0.60	0.60	0.30	0.36	
			1	30.00	0.60	0.60	0.30	5.40	
			1	17.50	0.60	0.60	0.30	3.15	
			1	25.30	0.60	0.60	0.30	4.55	
NLIG-14th Block									
			1	19.80	0.60	0.60	0.30	3.56	
			1	30.00	0.60	0.60	0.30	5.40	
			1	5.00	0.60	0.60	0.30	0.90	
			1	6.00	0.60	0.60	0.30	1.08	
			1	6.00	0.60	0.60	0.30	1.08	
			1	25.70	0.60	0.60	0.30	4.63	
			1	6.00	0.60	0.60	0.30	1.08	
NLIG-19th Block									
			1	8.00	0.60	0.60	0.30	1.44	
			1	17.60	0.60	0.60	0.30	3.17	
			1	4.00	0.60	0.60	0.30	0.72	
			1	18.00	0.60	0.60	0.30	3.24	
NLIG-5th Block									
			1	13.50	0.60	0.60	0.30	2.43	
			1	12.40	0.60	0.60	0.30	2.23	
			1	15.80	0.60	0.60	0.30	2.84	
			1	15.00	0.60	0.60	0.30	2.70	
NMIG-B Block									
			1	30.00	0.60	0.60	0.30	5.40	
			1	28.00	0.60	0.60	0.30	5.04	
NLIG-18th Block									

SL NO	CHAINAGE		NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	30.00	0.60	0.60	0.30	5.40	
			1	5.00	0.60	0.60	0.30	0.90	
			1	15.00	0.60	0.60	0.30	2.70	
NHIG-D2									
			1	19.00	0.60	0.60	0.30	3.42	
			1	21.00	0.60	0.60	0.30	3.78	
			1	24.00	0.60	0.60	0.30	4.32	
N-LIG 20th Block									
			1	30.00	0.60	0.60	0.25	4.50	
			1	30.00	0.60	0.60	0.30	5.40	
			1	2.00	0.60	0.60	0.30	0.36	
	Total Quantity							155.52	Cum
	Quantity Carried to Summary							155.52	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

Name of Agency: Sri. R. Ranganath — 1st & Final Bill

Item No. 6

Item Name: KSRB 12-5 : Constructing brick masonry circular type manhole 1.52 m internal dia at bottom and 0.56m dia at top, with table moulded and non-modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 mixed using 40mm and down size granite metal and making necessary channel in cement concrete 1:2:4 mix with 20mm anddown size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification No. KBS 12.4

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			6/6/19					
Manhole								
		NMIG-14th Block						
		2					2.00	
		NMIG-15th Block						
		4					4.00	
		NLIG-3rd Block						
		5					5.00	
		NLIG-5th Block						
		3					3.00	
		NLIG-11th Block						
		5					5.00	
		NLIG-14th Block						
		4					4.00	
		NLIG-19th Block						
		2					2.00	
		NLIG-5th Block						
		2					2.00	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NMIG-B Block					
		2					2.00	
			NLIG-18th Block					
		1					1.00	
	Total Quantity						30.00	Nos
	Quantity Carried to Summary						30.00	Nos

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. R. Ranganath

Item No.	7								
Item Name:	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			10/6/19					
Manhole								
NMIG-14th Block								
			5				5.00	
NMIG-15th Block								
			10				10.00	
NLIG-3rd Block								
			10				10.00	
NLIG-5th Block								
			12				12.00	
NLIG-11th Block								
			10				10.00	
NLIG-14th Block								
			10				10.00	
NLIG-19th Block								
			5				5.00	
NLIG-5th Block								
			6				6.00	
NMIG-B Block								
			6				6.00	

NLIG-18th Block

			6						
								6.00	
		Total Quantity							
		Quantity Carried to Summary						80.00	Sqm
								80.00	Sqm

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

Name of Agency: Sri. R. Ranganath — 1st & Final Bill

Item No. 8

Item Name: KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12/7/19					
For Manhole								
		NMIG-14th Block						
			2	1.52			2.30	6.99
		NMIG-15th Block						
			4	1.52			2.30	13.98
		NLIG-3rd Block						
			5	1.52			2.30	17.48
		NLIG-5th Block						
			3	1.52			2.30	10.49
		NLIG-11th Block						
			5	1.52			2.30	17.48
		NLIG-14th Block						
			4	1.52			2.30	13.98
		NLIG-19th Block						
			2	1.52			2.30	6.99
		NLIG-5th Block						
			2	1.52			2.30	6.99
		NMIG-B Block						
			2	1.52			2.30	6.99

NLIG-18th Block									
			1	1.52					
							2.30	3.50	
		Total Quantity							
		Quanity Limit to						104.88	Sqm
		Quantity Carried to Summary						101.38	Sqm
								101.38	Sqm

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. R. Ranganath

Item No. 9

Item Name: KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			21/8/19					
For UGD Line								
NMIG-14th Block								
			1	30.00	0.60	0.60	0.30	5.40
			1	3.20	0.60	0.60	0.30	0.58
			1	6.00	0.60	0.60	0.30	1.08
			1	9.50	0.60	0.60	0.30	1.71
			1	12.00	0.60	0.60	0.30	2.16
NMIG-15th Block								
			1	27.30	0.60	0.60	0.30	4.91
			1	13.00	0.60	0.60	0.30	2.34
			1	13.40	0.60	0.60	0.30	2.41
			1	14.00	0.60	0.60	0.30	2.52
			1	15.00	0.60	0.60	0.30	2.70
NLIG-3rd Block								
			1	11.70	0.60	0.60	0.30	2.11
			1	10.00	0.60	0.60	0.30	1.80
			1	7.30	0.60	0.60	0.30	1.31
			1	3.00	0.60	0.60	0.30	0.54
			1	12.30	0.60	0.60	0.30	2.21
			1	12.30	0.60	0.60	0.30	2.21
			1	4.50	0.60	0.60	0.30	0.81
			1	21.40	0.60	0.60	0.30	3.85
			1	5.00	0.60	0.60	0.30	0.90
			1	11.50	0.60	0.60	0.30	2.07
			1	3.00	0.60	0.60	0.30	0.54
			1	3.00	0.60	0.60	0.30	0.54
			1	3.00	0.60	0.60	0.30	0.54
			1	27.10	0.60	0.60	0.30	4.88
			1	6.00	0.60	0.60	0.30	1.08

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NLIG-5th Block					
		1	8.80	0.60	0.60	0.30	1.58	
		1	12.00	0.60	0.60	0.30	2.16	
		1	3.00	0.60	0.60	0.30	0.54	
		1	3.00	0.60	0.60	0.30	0.54	
		1	3.00	0.60	0.60	0.30	0.54	
		1	3.00	0.60	0.60	0.30	0.54	
		1	5.00	0.60	0.60	0.30	0.90	
		1	5.00	0.60	0.60	0.30	0.90	
			NLIG-11th Block					
		1	13.00	0.60	0.60	0.30	2.34	
		1	13.60	0.60	0.60	0.30	2.45	
		1	3.50	0.60	0.60	0.30	0.63	
		1	2.00	0.60	0.60	0.30	0.36	
		1	30.00	0.60	0.60	0.30	5.40	
		1	17.50	0.60	0.60	0.30	3.15	
		1	25.30	0.60	0.60	0.30	4.55	
			NLIG-14th Block					
		1	19.80	0.60	0.60	0.30	3.56	
		1	30.00	0.60	0.60	0.30	5.40	
		1	5.00	0.60	0.60	0.30	0.90	
		1	6.00	0.60	0.60	0.30	1.08	
		1	6.00	0.60	0.60	0.30	1.08	
		1	25.70	0.60	0.60	0.30	4.63	
		1	6.00	0.60	0.60	0.30	1.08	
			NLIG-19th Block					
		1	8.00	0.60	0.60	0.30	1.44	
		1	17.60	0.60	0.60	0.30	3.17	
		1	4.00	0.60	0.60	0.30	0.72	
		1	18.00	0.60	0.60	0.30	3.24	
			NLIG-5th Block					
		1	13.50	0.60	0.60	0.30	2.43	
		1	12.40	0.60	0.60	0.30	2.23	
		1	15.80	0.60	0.60	0.30	2.84	
		1	15.00	0.60	0.60	0.30	2.70	
			NMIG-B Block					
		1	30.00	0.60	0.60	0.30	5.40	
		1	28.00	0.60	0.60	0.30	5.04	
			NLIG-18th Block					
		1	30.00	0.60	0.60	0.30	5.40	
		1	5.00	0.60	0.60	0.30	0.90	
		1	15.00	0.60	0.60	0.30	2.70	

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			NHIG-D2					
		1	19.00	0.60	0.60	0.30	3.42	
		1	21.00	0.60	0.60	0.30	3.78	
		1	24.00	0.60	0.60	0.30	4.32	
			N-LIG 20th Block					
		1	30.00	0.60	0.60	0.25	4.50	
		1	30.00	0.60	0.60	0.30	5.40	
		1	2.00	0.60	0.60	0.30	0.36	
			Total Quantity				155.52	Cum
			Quantity Carried to Summary				155.52	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Providing UGD work system in ward no 02 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

Name of Agency: Sri. R. Ranganath

Item No.	10								
Item Name:	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			2/8/19					
Quantity vide item No. 01								
							703.89	
	Total Quantity						703.89	Cum
	Quanity Limit to						694.70	Cum
	Quantity Carried to Summary						694.70	Cum

Contractor Representative

Asst Engineer
Ward No.02, Chowdeshwari
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP